

Order No.: DD+DIS229.02E



1 piece VFGD3 MA1

## **ADC Quality System**

Type 4406 / 421

### **Software Installation Instructions for ADC QS 2.1.37**

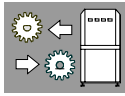
**Upgrade from ADC QS 2.0.08 / 2.0.09 to ADC QS 2.1.37**



Necessary time:

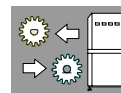
Approximately 90 minutes for Server Station

Approximately 45 minutes for Client Station



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# 1 General Information

## 1.1 Important Remarks



Upgrading from ADCQS2.0 to ADCQS.2.1 is a major upgrade. ADCQS.2.1 introduces a fully study oriented workflow concept. Therefore it will be necessary that the user has to be partly re-trained to benefit from this concept. So a follow-up visit from application people should be planned.



If the PRID ID station should be replaced by the ID viewer and a RIS connection has been used, it is necessary to make this connection on ID viewer level again with the new ADC QS RIS-Link Toolkit. Please note that the new ADC QS RIS-Link Toolkit does not support anymore retrieval of data from the HIS/RIS system by means of a DOS executable file. Only a Windows executable can be used. In principle all other PRID RIS-Link Toolkit supported modes are also supported by ADC QS RIS-Link Toolkit. Please check in beforehand what modes are used and if it is necessary to change anything.

For further information on this topic please refer to chapter 3.2 in this manual or to the user manual of the ADC QS RIS-Link Toolkit.



AGFA cannot guarantee for proper working of the ADC QS Software if any other 3<sup>rd</sup> party software is running on the same computer.

If there is another Software (e.g. virus checking software) than the ADC QS Software components on the system, make sure that no other application is running during upgrade, installation or configuration of the ADC QS System!

## 1.2 Scope of Delivery Software Kit ADC QS 2.1.37

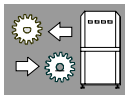
- Application CD ADC QS.2.1.37
- Restore Toolkit floppy Version 2.5
- License Converter tool floppy Version 2.1
- AGFA Documentation CD Version 1.06
- Security Rollup CD Version 1.06
- Upgrade description (DD+DIS226.02E)

## 1.3 Software Prerequisites and Possible Combinations

ADC Compact Plus: ACP\_ xxxx (all Software Versions possible)

ADC Compact: COP\_12xx

ADC Solo: SOL\_11xx



## 1.4 What is new in ADC QS 2.1.xx

- Advanced QC-Viewer
- ID-Viewer Software (study oriented)
- Full leg / Full spine Software
- Rislink Toolkit Software (integrated in ID-Viewer)
- Dose Monitoring Software
- Auto QC Software
- Configuration Viewer as configuration tool fully released
- Secure User support
- Sending from one ADC QS Server to another one
- System Cloning possible
- New version of AGFA DICOM Bridge (ADB 2.0.09B)

## 1.5 Required time for Upgrade

Approximately 90 minutes for Server Station

Approximately 45 minutes for Client Station

## 1.6 Released Configuration

### Clients per Server:

Three Clients per Server

### Digitizers per Server:

Three ADC Solos per Server

or

One ADC Solo and one ADC Compact Plus (or one ADC Compact)

or

Two ADC Compact Plus (or two ADC Compact)



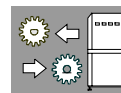
Only one of the above-mentioned combinations is allowed per Server.  
Total image input rate must not exceed 120 images / hour.

### Mixed environment

Mixed environment with VIPS / PRID is supported with some restrictions due to the different concepts (study oriented versus image oriented). See chapter 3.2 for more information.

## 1.7 Remarks on Upgrade Scenarios

- Upgrade of ADC-QS System from V2.0 to V2.1 is highly recommended (new functions, solved bugs, etc.). Client hardware, delivered with an ADC-QS System is upgradeable.
- PRID Stations not delivered with the ADC-QS System (e.g. VIPS-Compact PC etc.) are not upgradeable.
- For mixed environments (QS + VIPS + PRID), PRID identified cassettes can be processed on VIPS as well as on QS V2.1. ID-Viewer identified cassettes can be processed on ADC-QS but not on VIPS. Configuration has to be done both with the CCM-Tool and Configuration Viewer (partly double work).



- It is not required to upgrade the PRID Station when the Server PC is upgraded to QS V2.1. Running PRID on a Server PC with QS V2.1 installed is possible but not recommended.
- When upgrading the QS from V2.0 to V2.1 all existing licenses will be copied automatically **except** the PRID (old ID SW and old RIS-Link Toolkit) licenses (does not match the QS license encoding). Therefore a license converter tool is provided with the upgrade kit, for usage see section 8 of this chapter.
- Due to a bug in the ADC-QS.2.0.0x it could have happened that one and the same PatientID was associated with more than one patient. This gives problems with ADCQS.2.1 as it relies on **unique** PatientIDs. Therefore during the upgrade (i.e. during upgrade of the Server component) this is corrected. This correction can result in to possible results:
  - Patients who had the same name, birth date and the PatientID will be merged.
  - Patients which had the same PatientID but different birth date and / or Patient name are kept in separate studies (as they were before) and a new PatientID will be created by the system (e.g. NEWxxxxxx)

## 1.8

### Virus Scanning Software

Tested settings with McAfee virus scanners together with ADC QS 2.1

Internal tests were performed with the following sdat file versions for McAfee Netshield v4.5 for Server w/Service Pack 1 (SP1), Netshield v4.5 for Client w/SP1, and McAfeeVirus Scan NT v5.1 on ADC QS 2.1:

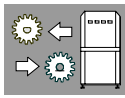
	Netshield v4.5 w/SP1	Virus Scan NT v5.1
<b>Server</b>	<b>sdat4167.exe</b> (scan engine 4.1.50 and virus definition 4.0.4167)  <b>sdat4184.exe</b> (scan engine 4.1.60 and virus definition 4.0.4184)	- can not be installed on server -
<b>Client</b>	<b>sdat4167.exe</b> (scan engine 4.1.50 and virus definition 4.0.4167)	<b>sdat4184.exe</b> (scan engine 4.1.60 and virus definition 4.0.4184)



Netshield v4.5 w/SP1 for Server and Netshield v4.5 w/SP1 for Client are two separate software packages.

If a virus scanner is supposed to be installed on an ADC QS 2.1, AGFA recommends to use the above mentioned versions of McAfee virus scanners with the settings mentioned in chapter 3.2.

This configuration did not show a noticeable impact on ADC QS 2.1 in our test environment. For any other configuration or virus scan software AGFA cannot make a statement and it may have impact on the proper operating of ADC QS 2.1.



## 2 Upgrade Procedure for ADC QS Server Station

### 2.1 Preparations

#### 2.1.1 Check Idle Status of ADC QS

Before you do any action on the upgrade make sure that all activities and tasks on the system have been finished.

- (1) Check that the printer queues of all your printers in the NT print spooler are empty.
- (2) Check that all jobs to be archived have been arrived at there destination.
- (3) Check that all digitizers queues transmitting to ADC QS are empty.
- (4) Check that no studies are still on hold or to be released on ADC QS.
- (5) Stop virus checker.



As reboots have to be done during the upgrade, you have to prevent that virus checker service is restarted.

#### 2.1.2 Creating Restore CD of current Installation

See point **2.3.4.1 General (Restore CD)**.

Use Restore toolkit floppy version 2.5 or higher (from upgrade package).

#### 2.1.3 Create site specific backup

- (6) Execute an "ADC QS reset"
- (7) Start up `Configuration Viewer` and logon
- (8) Select
  - Monitoring
  - Task Management
  - Backup
  - Execute

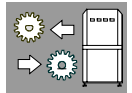


To follow the proceeding of the Backup Task you have to look to the column "Status" in the Task Manager. It does not refresh automatically. To get the actual status you have to leave "Task Management" and enter it again. Please wait until the status changes back from "Active\_Executing" to "Active\_Idle". Otherwise you will have an incomplete backup which is worthless.

ADC QS



Server



## 2.1.4

### Remove existing NT 4.0 Option Pack

- (9) Stop ADC-QS
- (10) Select
  - Start
  - Settings
  - Control panel
  - Add/Remove Programs
  - Windows NT 4.0 Option Pack
- (11) Click <Add/Remove> button
- (12) Click <Next> on Option Pack install wizard window
- (13) Click <Remove All>
- (14) A warning dialog pops up and Do you want to continue? appears, click <Yes>
- (15) Option Pack features are removed one by one
- (16) If an error dialog appears, click <Ok> to continue
- (17) Click <Finish> when all features are removed
- (18) Dialog You must restart your computer.. appears, click <Yes> to restart
- (19) After restart login as <compas> (if auto logon is switched off)

## 2.2

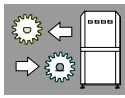
### Installation of Application

From here on actual upgrade starts. From now on ADC QS SW is changed!

### 2.2.1

#### Installation of Internet Components: IIS4.0 from NT4 Option Pack

- (20) Stop ADC QS
- (21) Insert ADC QS 2.1.xx Application CD
- (22) The Install Launcher starts
- (23) Select at <Internet Components> <Microsoft IIS4.0 (NT..) > button
- (24) Click <Yes> to continue when dialog Set-up detects NT 4.0 SP4 or greater on your machine..', 'Do you wish to proceed? appears.
- (25) Click <Next> at NT Option Pack Welcome
- (26) Click <Accept> at End User License Agreement
- (27) Select <Typical> as installation type
- (28) Click <Next> to accept the default installation folders on C: drive
- (29) Click <Next> to select default of mailroot folder
- (30) Progress dialog Copying files appears; no action to be done. A popup dialog may appear at some point Overwrite the newer file?, select <No to All>



- (31) Click <Finish> to exit at the end
- (32) Dialog Set-up is finalizing, please wait appears
- (33) Click <No> when dialog Do you want to restart your computer now? appears.
- (34) Click <Finish> to exit the ADC-QS Launcher
- (35) Restart the computer by selecting
  - Start
  - Shutdown
  - Restart the computer
- (36) After restart login as <compas> (if auto logon is switched off)

### **2.2.2**

#### **Installation of Java VM5.0 Build 3802**

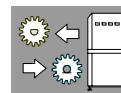
- (37) Stop ADC-QS
- (38) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (39) Select Microsoft Components button
- (40) Select Java Virtual Machine 5.0 ... button
- (41) Click <Yes> at Would you like to install the MS VM?
- (42) Click <Yes> at End User License Agreement Do you accept...
- (43) Files are copied
- (44) Click <Ok> at The installation is complete at the end
- (45) Click <No, I will restart later> when dialog Do you want to restart your computer now? appears
- (46) Click <Finish> to exit the ADC-QS Launcher
- (47) Restart the computer by selecting
  - Start
  - Shutdown
  - Restart the computer
- (48) After restart login as <compas> (if auto logon is switched off)

### **2.2.3**

#### **Installation of Windows Script Host 5.6**

- (49) Stop ADC-QS
- (50) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (51) Select Microsoft Components button
- (52) Select Windows Script Host 5.6 button
- (53) Files are copied, takes about 5 sec.
- (54) Click <Finish> to exit the ADC-QS Launcher





## 2.2.4

### Installation of MSI Installer Service

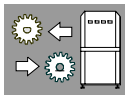
- (55) Stop ADC-QS
- (56) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (57) Select Microsoft Components button
- (58) Select Microsoft Installer MSI... button
- (59) Dialog Preparing to Install appears and the files are copied; no action to be done.
- (60) At the end click <Ok> if the dialog Windows Installer Setup completed successfully appears  
or  
click <No> if the dialog You must restart your system appears
- (61) Click <No, I will restart later> if dialog Do you want to restart your computer now? appears
- (62) Click <Finish> to exit the ADC-QS Launcher
- (63) Restart the computer, if it was requested two steps before, by selecting  
Start  
Shutdown  
Restart the computer
- (64) After restart login as <compas> (if auto logon is switched off)

## 2.2.5

### Installation of XML parser 3.0

- (65) Stop ADC-QS
- (66) Insert ADC QS 2.1.xx Application CD
- (67) Start Install Launcher
- (68) Select Microsoft Components button
- (69) Select XML Parser 3.0 SP2 button
- (70) Click <Next> when dialog Welcome to the XML Parser Wizard... appears
- (71) Select <I accept the terms...> at the dialog of End User License Agreement and click <Next>
- (72) Add user name and organisation (e.g. AGFA, AGFA) in the dialog Customer Information and click <Next>
- (73) Click <Install> at Ready to Install dialog
- (74) Files are copied, no action to be done.
- (75) Click <Finish> at the end.
- (76) Exit Install Launcher by clicking <Finish> and eject ADCQS2.1.xx application CD



**2.2.6****Security Update – IIS Patch Q319733i**

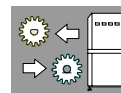
- (77) Insert the ADC-QS Security Update CD Version 1.06
- (78) Browse on the CD the language folder to match the system language
- (79) Copy the file **Q319733i.exe** from your chosen language folder to the **C:\SPack** folder.
- (80) Double click on the file **C:\SPack\ Q319733i.exe**.
- (81) Files are extracted and the package updates the system files.
- (82) Dialog Windows NT Hotfix Setup appears
- (83) Click <Ok> to restart the system
- (84) Eject Security Update CD
- (85) After restart login as <compas> (if auto logon is switched off)

**2.2.7****Installation of AGFA Dicom Bridge Tool**

- (86) Stop ADC-QS
- (87) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (88) Select AGFA ADC-QS button
- (89) Select AGFA Dicom Bridge Tool... button
- (90) Click <Next> at Welcome dialog
- (91) Select the default path **E:\agfa\ADB** at dialog Destination Location and click <Next>
- (92) Click <Next> at Setup Type dialog and stay with default setting <Full>
- (93) Files are copied, no action to be done.  
A popup message ReadOnly file Detected may appear. Check <Don't display this message again> and click <Yes>
- (94) Dialog Setup is complete appears
- (95) Click <No, I will restart later> when dialog Do you want to restart your computer now? appears
- (96) Click <Finish>
- (97) Click <Finish> to exit the ADC-QS Launcher
- (98) Restart the computer by selecting
  - Start
  - Shutdown
  - Restart the computer
- (99) After restart login as <compas> (if auto logon is switched off)

**2.2.8****Installation of AGFA ADC QS: Image Processing Software**

- (100) Stop ADC-QS
- (101) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (102) Select AGFA ADC-QS button
- (103) Select Manual Setup: Image Processing ... button
- (104) Click <Next> at Welcome dialog



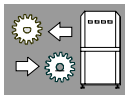
- (105) Select <Customer Installation> at dialog Setup Type and click <Next>
- (106) Select the default path of '**E:\Agfa\Improc\ApnCre**' at dialog Choose Destination Location and click <Next>
- (107) Files are copied, no action to be done
- (108) Dialog Setup Complete appears
- (109) Click <Finish> to complete setup

## 2.2.9

### Installation of AGFA ADC QS: Server Installation

- (110) Select Manual Setup: ADCQS Server... button
- (111) Click <Yes> to agree with the dialog of the Software License Agreement
- (112) Select the default path of **E:\Agfa\CompasServer** at dialog Choose Destination Location and click <Next>  
(On a clean or freshly ADCQS2.1 staged system the path presented will be E:\Agfa\ADC-QS\CompasServer. Always take the presented default path.)
- (113) Accept default <server> for server installation at dialog Setup Type and click <Next>
- (114) Accept default <Agfa\ADC-QS> at dialog Select Program Folder and click <Next>
- (115) Accept default drive (**Drive H:**) for Local Data Storage and click <Next>. No other drives for image caching are released at the moment
- (116) Click <Next> to accept the reviewed information of the dialog Start Copying Files or click <Back> to change any setting.
- (117) Copying starts, for Server installations some tasks are also run. Please wait, it takes a few minutes – depends on number of studies on the system.  
A popup message ReadOnly file Detected may appear. Check <Don't display this message again> and click <Yes>
- (118) Click <No, I will restart later> when dialog Do you want to restart your computer now? Appears
- (119) At end dialog Setup Complete, if no restart options are given, click on <Finish> else if reboot options are shown, see blue steps.
- (120) Click <Finish> to exit the ADC-QS Launcher
- (121) Restart the computer by selecting  
Start  
Shutdown  
Restart the computer
- (122) After restart login as <compas> (if auto logon is switched off)





## 2.2.10

### Installation of AGFA ADC QS: Viewer Components

- (123) Stop ADC-QS
- (124) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (125) Select AGFA ADC-QS button
- (126) Select Viewer Components
- (127) Click <Next> at Welcome dialog
- (128) Click <Yes> if you agree with the Software License Agreement
- (129) Select default <Typical> at dialog Setup Type and click <Next>
- (130) Select default path **E:\Agfa\ADC-QS\Viewer** at Choose Destination Location dialog and click <Next>
- (131) Accept default <Agfa\ADC-QS> at dialog Select Program Folder and click <Next>
- (132) Click <Next> to accept the reviewed information of the dialog Start Copying Files or click <Back> to change any setting
- (133) Dialog Setup Complete appears
- (134) Click <Finish>

## 2.2.11

### Installation of AGFA ADC QS: Web Administrator

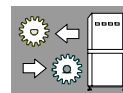
- (135) Select AGFA ADC-QS button
- (136) Select ADC-QS WebAdministrator 2.1... button
- (137) The InstallShield Wizard starts
- (138) Click <Next> at Welcome dialog
- (139) Select <I accept the terms...> and click <Next> if you agree with the License Agreement
- (140) Select default <Complete> at dialog Setup Type and click <Next>
- (141) Click <Install> at dialog Ready to Install the Program
- (142) Files are copied, no action to be done
- (143) Dialog InstallShield Wizard Completed appears
- (144) Click <Finish> to exit wizard
- (145) Click <Finish> to exit the ADC-QS Launcher
- (146) Eject ADC QS 2.1.xx Application CD

## 2.2.12

### Installation of Internet Components: ADVT Tool

- (147) Stop ADC-QS
- (148) Select ADC-QS Install Launcher
- (149) Select Internet Components button
- (150) Select ADVT Tool...
- (151) Click <Yes> at This will install DICOM validation tool dialog
- (152) Click <Next> at Welcome dialog
- (153) Click <Yes> to accept the License agreements





- (154) Click <Next> at Readme Info
- (155) Stay with the default settings (AGFA, AGFA) at User Information and click <Next>
- (156) Choose Destination Location window appears  
Change path from C:\ to E:\ therefore click <Browse> and enter the path **E:\AGFA\DICOM Validation tool**
- (157) Setup message Directory does not exist appears, click <Yes> to create the directory
- (158) Click <Yes> to accept the new path
- (159) Click <Next> to start copying files
- (160) Files are copied
- (161) Click <Finish> to complete Setup
- (162) Click <Finish> to exit Install Launcher

## 2.3 Finishing the Installation

### 2.3.1 Import CPF-Configuration File

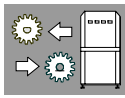
- (1) Stop ADC-QS
- (2) Start ADC-QS Configuration Viewer
- (3) Select from Configuration Viewer the menu option  
File  
ImportCPF file
- (4) Locate **adc.cpf** file in the directory  
**E:\AGFA\CompasServer\Configuration**  
and click <Open>  
(On a clean or freshly ADCQS2.1 staged system the path presented will be E:\Agfa\ADC-QS\CompasServer\Configuration. Always take the presented default path.)
- (5) The importing process starts, and takes a few minutes.
- (6) A list of unresolved printers maybe presented. Click <Cancel> to ignore the unresolved printers.

### 2.3.2 Configuration of Internet Explorer for ADC QS WebAdmin

By default ADC-QS systems do not have Internet Explorer (IE) pre-configured for access to the Web Admin pages. To do this, complete the following steps:

- (7) Stop ADC-QS
- (8) From the Internet Explorer desktop icon, use the right mouse button to access  
Properties  
Connections tab
- (9) Select Use Connection Wizard... option and click <Setup>.  
The Connection Wizard starts.





- (10) Select...I want to connect through a local area network (LAN) Option and click <Next>
- (11) Question How do you connect to the Internet? appears, select I connect through a local area network (LAN) Option and click <Next>
- (12) Automatic/Manual configuration dialog:  
Uncheck setting in <Automatic configuration> box  
Check <Manual Proxy Server> box and click <Next>
- (6) Proxy selection dialog appears.  
Check the <Use the same proxy server for all protocols> box, enter the proxy address and port number at your site (eg. 'agfafire.agfa.be' and '80') and click <Next>
- (13) Proxy exception dialog appears.  
At box <Do not use proxy server for these addresses:>, enter your local domain root, (eg. '\*agfa.be'). Here you can also enter the ip\_address of your local LAN subnet (e.g.192.200.10)  
Check the box <Do not use proxy server for local addresses> and click <Next>
- (14) Dialog Internet Mail Account appears. Select <No> at Do you want to set up a mail account now? and click <Next>.
- (15) Completion dialog appears.  
Check the ...connect to the Internet immediately box and click <Finish>.
- (16) IE starts and typically tries to connect to the **microsoft.com** home page, which fails. Type the following URL into the address bar:  
<http://localhost/ADCAdmin/> for server systems
- (17) The ADC-QS Web Admin Welcome Page should appear. You can set this to your home page using Tools menu option:  
Internet Options...  
General tab  
Home Page  
Click on <Use Current> and click <Ok>
- (18) The Microsoft supplied NT Admin services are accessed using the following URL:  
<http://localhost/ntadmin/> for server systems

### 2.3.3

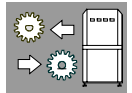
#### Integration of ADC QS Server in a Domain

- (19) The integration might be a request from the hospital. If it is not you can skip this step.  
For a detailed description what AGFA recommends to do in this case, refer to Appendix 1 of this document.

ADC QS



Server



### 2.3.4

#### Create a Restore CD of the upgraded ADC QS

- (20) At the end of the upgrade and the system is correctly working a Restore CD has to be created for emergency cases. Please use the Restore Toolkit floppy version 2.5 or higher for this purpose. The CD label must contain the following data:

##### Restore-CD for ADC-QS.2.1.xx (Server)

Hostname: *<hostname>*  
 IP-Address: *<ip\_address>*  
 Created by: *<Name, First Name>*  
 Why created: *<reason (e.g. upgrade)>*  
 Creation Date: *<DD:MMMM:YYYY>*

#### 2.3.4.1

##### General

To create on site a bootable Restore CD-ROM makes it possible to restore the Server System at a later date back to the same identical state as it was by creation of the CD. Please pay attention to the following points:

- The CD must only be used on the PC where it was created!
- A Restore CD usually is only an image of the first hard disk (partition C, E and F). The second hard disk is normally not saved. However this option is available with Restore Toolkit Version 2.5
- During the process the CD tray can open and close automatically; this is then part of the procedure.

#### 2.3.4.2

##### Requirements

- ADC-QS Restore Toolkit floppy (version 2.5 or higher)
- Blank or rewriteable CD (use high quality CD-Rs only)
- ADC-QS System (Server or Client) with built in CD Re-Writer

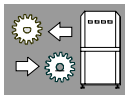
#### 2.3.4.3

##### Procedure

- (21) Make sure that the ADC QS Restore Toolkit floppy is not write-protected and insert the Restore Toolkit floppy in the floppy drive.
- (22) Stop ADC-QS and empty the desktop Recycle bin.







- (23) Re-start the system, which will boot now from floppy drive. The following menu is shown:

```
Command Prompt - autoexec

+-----+
! AGFA ADC-QS Restore Toolkit v2.5 * Direct2CD * !
+-----+

Press <1> to make an ADC-QS Server Disk 1 image.
Press <2> to make an ADC-QS Server Disk 2 image.
Press <3> to make an ADC-QS Client Disk 1 image.

or <Q> to quit <no action>.
Select:
```

Make selection according to system type:

For ADC-QS Server normally only Disk 1 needs to be restored.

For ADC-QS Client only Disk 1 exists.

- (24) CD tray opens. Insert blank CD or clean rewriteable CD
- (25) The following menu is shown

```
Command Prompt - autoexec

+-----+
! AGFA ADC-QS Restore Toolkit v2.5 * Direct2CD * !
+-----+

Press <1> to make an ADC-QS Server Disk 1 image.
Press <2> to make an ADC-QS Server Disk 2 image.
Press <3> to make an ADC-QS Client Disk 1 image.

or <Q> to quit <no action>.
Select: 1

Insert a blank CD-R or erased CD-R/W into the drive.
Ready to burn CD ? <Y/N>
Confirm:
```

Enter <Y>

- (26) If CD tray is not already closed, it will be closed automatically now.
- (27) Norton Ghost Software starts automatically. It reads first boot data from floppy and starts afterwards to burn the Restore CD of the selected Disk. No action required – takes about 12 minutes.
- (28) CD tray opens automatically, when process is finished.
- If the system image does not fit on a single CD, message "Insert next media and press enter to continue..." appears. Insert a new blank CD or clean rewriteable CD and press enter.
- (29) The following window is shown:

```
Command Prompt

1 file(s) copied.

+-----+
! AGFA ADC-QS Restore Toolkit v2.5 * Direct2CD * !
+-----+

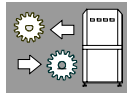
Finished !!

Please eject the CD and the floppy, press Ctrl+Alt+Del
to restart the system...
A:\>
```



Follow the instructions to eject the new created Restore CD and the floppy and restart the system by pressing Ctrl+Alt+Del





- (30) Write on the new created Restore CD:

Restore-CD for ADC-QS.2.1.xx (Server)	
Hostname:	<hostname>
IP-Address:	<ip_address>
Created by:	<Name, First Name>
Why created:	<reason (e.g. upgrade)>
Creation Date:	<DD:MMMM:YYYY>

#### 2.3.4.4

#### Testing the recorded Restore CD

- (31) Insert the Restore CD and restart the system
- (32) The following window appears (example shows Restore CD of a client system):

```

Command Prompt - k
+-----+
! AGFA ADC-QS Restore CD created with Toolkit v2.5 !
! System Type: Client, Image File: Disk 1          !
+-----+
+ This CD was created on:  THU 04 JUL 2002 at 22:12 +
+-----+

Press <I> to restore ADC-QS Client station.
or <Q> to quit <no action>.

Select: _
  
```

Check that the image type matches your system.

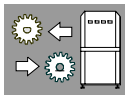
Type in <q>

(For testing it is not necessary to carry out a restore procedure)



If the window does not appear, first check the boot sequence in the BIOS before creating a new Restore CD.





### 3 Upgrade Procedure for ADC QS Client Station

#### 3.1 Preparations

##### 3.1.1 Check Idle Status of ADC QS

Before you do any action on the upgrade make sure that all activities and task on the system have been finished.

- (1) Check that the printer queues of all your printers in the NT print spooler are empty.
- (2) Check that all jobs to be archived have been arrived at there destination.
- (3) Check that all digitizers queues transmitting to ADC QS are empty.
- (4) Check that no studies are still on hold or to be released on ADC QS.
- (5) Stop virus checker



As reboots have to be done during the upgrade, you have to prevent that virus checker service is restarted.



Always upgrade Server first and make sure Server is running during upgrading the Client. Otherwise the network printer re-installation during Viewer installation will fail. System does not show any message, but waits until a time out is elapsed (about 3 min.). As the insatallation failed, it has to be done later manually.

##### 3.1.2 Creation of Restore CD (if CD-Writer available)

See point **2.3.4.1 General (Restore CD)**

Use Restore toolkit floppy version 2.5 or higher.

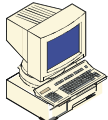
#### 3.2 Installation of Application

From here on actual upgrade starts. From now on ADC QS SW is changed!

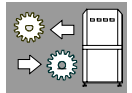
##### 3.2.1 Installation of Java VM5.0 Build 3802

- (6) Stop ADC-QS
- (7) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (8) Select Microsoft Components button
- (9) Select Java Virtual Machine 5.0 ... button
- (10) Click <Yes> at Would you like to install the MS VM?
- (11) Click <Yes> at End User License Agreement Do you accept...
- (12) Files are copied
- (13) Click <Ok> at The installation is complete at the end
- (14) Click <No, I will restart later> when dialog Do you want to restart your computer now? appears

ADC QS



Client



- (15) Click <Finish> to exit the ADC-QS Launcher
- (16) Restart the computer by selecting
  - Start
  - Shutdown
  - Restart the computer
- (17) After restart login as <compas> (if auto logon is switched off)

### 3.2.2

#### Installation of Windows Script Host 5.6

- (18) Stop ADC-QS
- (19) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (20) Select Microsoft Components button
- (21) Select Windows Script Host 5.6 button
- (22) Files are copied, takes about 5 sec.
- (23) Click <Finish> to exit the ADC-QS Launcher

### 3.2.3

#### Installation of MSI Installer Service

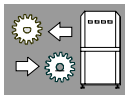
- (24) Stop ADC-QS
- (25) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (26) Select Microsoft Components button
- (27) Select Microsoft Installer MSI... button
- (28) Dialog Preparing to Install appears and the files are copied; no action to be done.
- (29) At the end click <Ok> if the dialog Windows Installer Setup completed successfully appears  
or  
click <No> if the dialog You must restart your system appears
- (30) Click <No, I will restart later> when dialog Do you want to restart your computer now? appears
- (31) Click <Finish> to exit the ADC-QS Launcher
- (32) Restart the computer, if it was requested two steps before, by selecting
  - Start
  - Shutdown
  - Restart the computer
- (33) After restart login as <compas> (if auto logon is switched off)

### 3.2.4

#### Installation of XML Parser 3.0



- (34) Stop ADC QS
- (35) Insert ADC QS 2.1.xx Application CD
- (36) Start Install Launcher



- (37) Select Microsoft Components button
- (38) Select XML Parser 3.0 SP1 button
- (39) Click <Next> when dialog Welcome to the XML Parser Wizard... appears
- (40) Select <I accept the terms...> at the dialog of End User License Agreement and click <Next>
- (41) Add user name and organisation (e.g. AGFA, AGFA) in the dialog Customer Information
- (42) Click <Install> at Ready to Install dialog
- (43) Files are copied, no action to be done.
- (44) Click <Finish> at the end

### 3.2.5

#### Installation of AGFA ADC QS: Image Processing Software

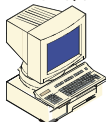
- (45) Stop ADC-QS
- (46) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (47) Select AGFA ADC-QS button
- (48) Select Manual Setup: Image Processing ... button
- (49) Click <Next> at Welcome dialog
- (50) Select <Customer Installation> at dialog Setup Type and click <Next>
- (51) Select the default path of '**E:\Agfa\Improc\ApnCre**' at dialog Choose Destination Location and click <Next>
- (52) Files are copied, no action to be done
- (53) Dialog Setup Complete appears
- (54) Click <Finish> to complete setup

### 3.2.6

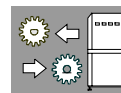
#### Installation of AGFA ADC QS: Server Support for Client

- (55) Stop ADC-QS
- (56) Start Install Launcher
- (57) Select Manual Setup: ADC-QS Server... button
- (58) Click <Yes> if you agree with the Software License Agreement
- (59) Select default path **E:\Agfa\CompasServer** (if **E:** drive available, else use **C:** drive) at Choose Destination Location dialog and click <Next>.  
(On a clean or freshly ADCQS2.1 staged system the path presented will be E:\Agfa\ADC-QS\CompasServer. Always take the presented default path.)
- (60) Select <**Client**> for setup type and click <Next>
- (61) Accept default <Agfa\ADC-QS> at dialog Select Program Folder and click <Next>
- (62) Enter the hostname or TCP/IP address of the remote server you will connect to at Enter Information dialog and click <Next>

ADC QS



Client



- (63) Click <Next> to accept the reviewed information of the dialog Start Copying Files or click <Back> to change any setting
- (64) Copying starts and at the end dialog Setup Complete appears. If no restart options are given, click <Finish>
- (65) Click <No, I will restart later> when dialog Do you want to restart your computer now? appears
- (66) Click <Finish> to exit the ADC-QS Launcher
- (67) Restart the computer by selecting
  - Start
  - Shutdown
  - Restart the computer
- (68) After restart login as <compas> (if auto logon is switched off)

### 3.2.7

#### Installation of AGFA ADC QS: Viewer Components

- (69) Stop ADC-QS
- (70) Insert ADC QS 2.1.xx Application CD to start Install Launcher
- (71) Select AGFA ADC-QS button
- (72) Select Viewer Components
- (73) Click <Next> at Welcome dialog
- (74) Click <Yes> if you agree with the Software License Agreement
- (75) Select default <Typical> at dialog Setup Type and click <Next>
- (76) Select default path **E:\Agfa\ADC-QS\Viewer** at Choose Destination Location dialog and click <Next>
- (77) Accept default <Agfa\ADC-QS> at dialog Select Program Folder and click <Next>
- (78) Click <Next> to accept the reviewed information of the dialog Start Copying Files or click <Back> to change any setting
- (79) Dialog Setup Complete appears
- (80) Click <Finish> and eject ADC QS 2.1.xx Application CD

## 3.3

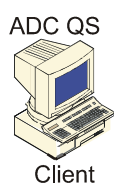
### Finishing the Installation

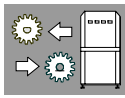
#### 3.3.1

#### Configuration of Internet Explorer for ADC QS WebAdmin

By default ADC-QS systems do not have Internet Explorer (IE) pre-configured for access to the Web Admin pages. To do this, complete the following steps:

- (1) Stop ADC-QS
- (2) From the Internet Explorer desktop icon, use the right mouse button to access
  - Properties
  - Connections tab

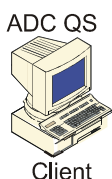




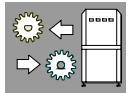
- (3) Select **Use Connection Wizard...** option and click **<Setup>**.  
The Connection Wizard starts.
- (4) Select **...I want to connect through a local area network (LAN)**. Option and click **<Next>**
- (5) Question **How do you connect to the Internet?** appears, select **I connect through a local area network (LAN)**. Option and click **<Next>**
- (6) **Automatic/Manual configuration dialog:**  
uncheck settings in **<Automatic configuration>** box  
Check **<Manual Proxy Server>** box and click **<Next>**
- (7) **Proxy selection dialog** appears.  
Check the **<Use the same proxy server for all protocols>** box, enter the proxy address and port number at your site (eg. 'agfafire.agfa.be' and '80') and click **<Next>**
- (8) **Proxy exception dialog** appears.  
At box **<Do not use proxy server for these addresses:>**, enter your local domain root, (eg. '\*agfa.be;').  
Check the box **<Do not use proxy server for local addresses>** and click **<Next>**
- (9) **Dialog Internet Mail Account** appears. Select **<No>** at **Do you want to set up a mail account now?** And click **<Next>**.
- (10) **Completion dialog** appears.  
Check the **...connect to the Internet immediately** box and click **<Finish>**.
- (11) IE starts and typically tries to connect to the **microsoft.com** home page, which fails. Type the following URL into the address bar:  
http://<servername>/ADCAdmin/ for client systems  
(where <servername> is the name of the ADC-QS server you normally connect to).
- (12) The **ADC-QS Web Admin Welcome Page** should appear. You can set this to your home page using **Tools** menu option:  
Internet Options...  
General tab  
Home Page  
Click on **<Use Current>** and click **<Ok>**
- (13) The Microsoft supplied NT Admin services are accessed using the following URL:  
http://<servername>/ntadmin/ for client systems

### 3.3.2

#### Integration of ADC QS Client in a Domain



- (14) The integration might be a request from the hospital. If it is not you can skip this step.  
For a detailed description what AGFA recommends to do in this case refer to Appendix 1 of this document.



### 3.3.3

#### Create a Restore CD of the upgraded ADC QS (if CD-Writer available)

- (15) At the end of the upgrade and the system is correctly working a Restore CD has to be created for emergency cases. Please use the Restore Toolkit version 2.05 or higher for this purpose. The CD label must contain the following data:

##### Restore-CD for ADC-QS.2.1.xx (Client)

Hostname: *<hostname>*  
IP-Address: *<ip\_address>*  
Created by: *<Name, First Name>*  
Why created: *<reason (e.g. upgrade)>*  
Creation Date: *<DD:MMMM:YYYY>*

Please find the procedure described in **2.3.4.1 General (Restore CD)**.

ADC QS



Client





## 4

**Installing ADC-QS into an Existing NT Domain**

By default the systems delivered by AGFA are set up to operate in an unmanaged 'peer to peer' network pool called 'WORKGROUP'. This name 'WORKGROUP' is the same for all language versions of ADC-QS.

Further to this the ADC-QS Server and Client machines are set up with 2 local machine accounts:

<u>Account</u>	<u>Password</u>
administrator	(empty)
compas	compas98

Both these accounts are members of 'Administrator' group on the local machine. By default ADC-QS runs under the 'compas' account. The advantage of running ADC-QS as part of 'WORKGROUP' is that the administration tasks are much reduced – the downside to this is that there is almost no security in place.

In many hospital environments ADC-QS will be used as part of a secure NT domain. To add new ADC-QS systems to the domain will require assistance from the local NT Domain Administrator (who has the passwords and authority required). Follow the sequence below to add an ADC-QS Server or Client into a domain:

## 4.1.1

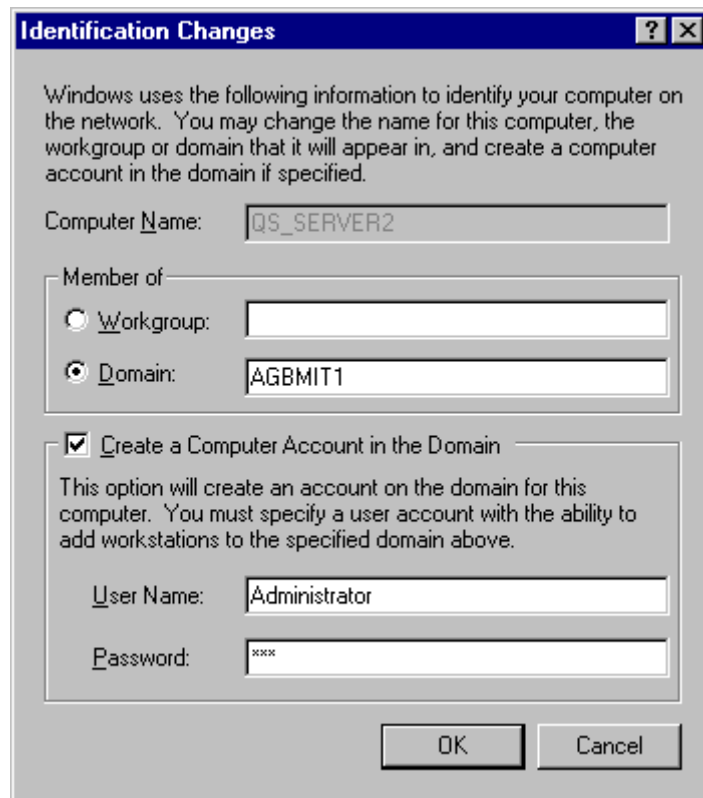
**ADC-QS System Name**

Change the system name to the new name assigned by the domain administrator – Start Menu::Settings::Control Panel::Network::Identification, click on button 'Change', enter the new name, click <OK> . Click <OK> on confirmation dialog, click <Close> on the network control panel, dialog '... You must shut down and restart your computer... Restart now', click <Yes>. The system restarts.

## 4.1.2

**Add ADC-QS System to Domain**

Log back in as local system *Administrator* (blank password ). Hold down the shift key to defeat any auto-login. Once logged in, stop any ADC-QS auto-start (Server only). From Start Menu::Settings::Control Panel::Network::Identification, click on button 'Change', click on radio button 'Domain', enter the domain name. Select checkbox 'Create Computer Account in the Domain', enter the **Domain Administrator** name and password. Click <OK>.



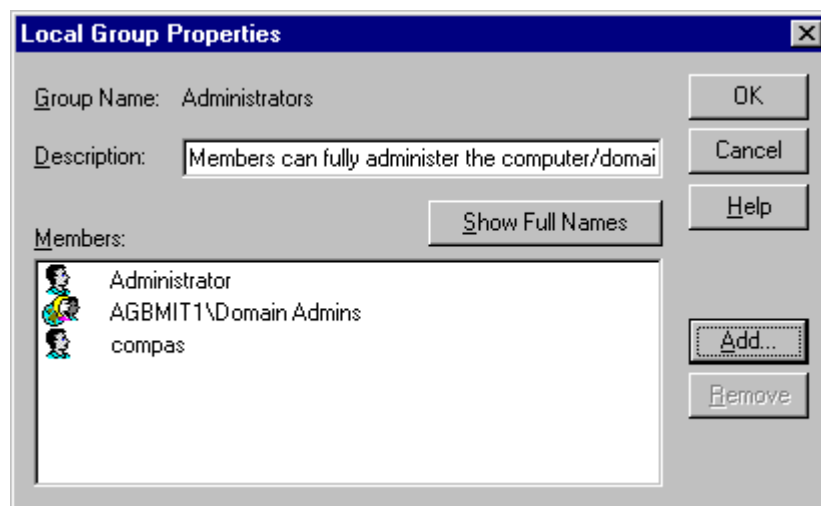
Upon success the message 'Welcome to <Domain Name>' will popup. Click <OK>, then <Close>, dialog '... You must shut down and restart your computer... Restart now', click <Yes>. The system restarts.



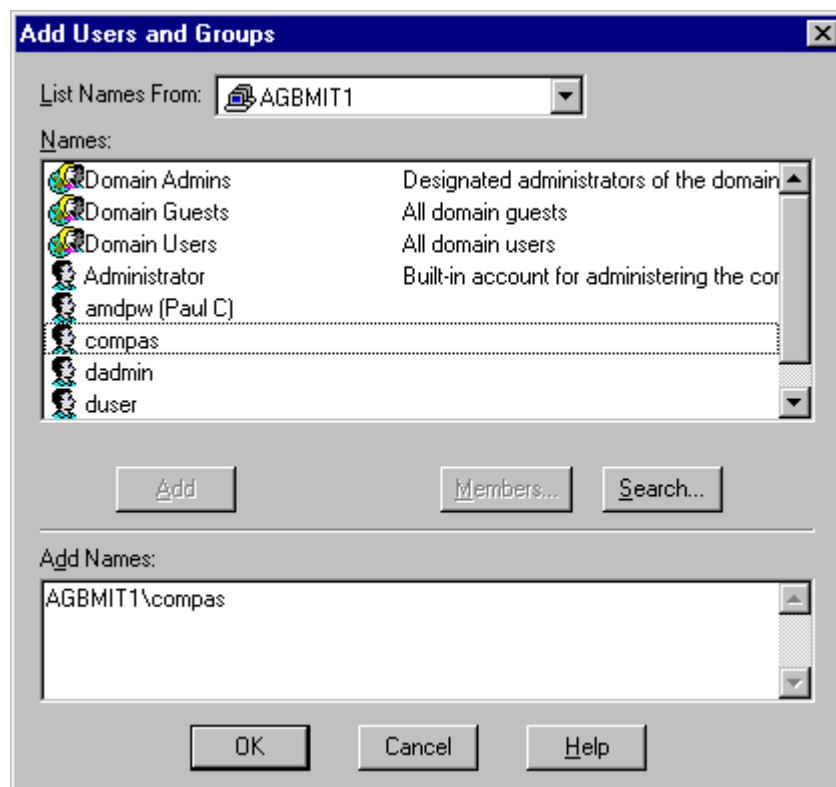
#### 4.1.3

#### Adding Domain User to Local System

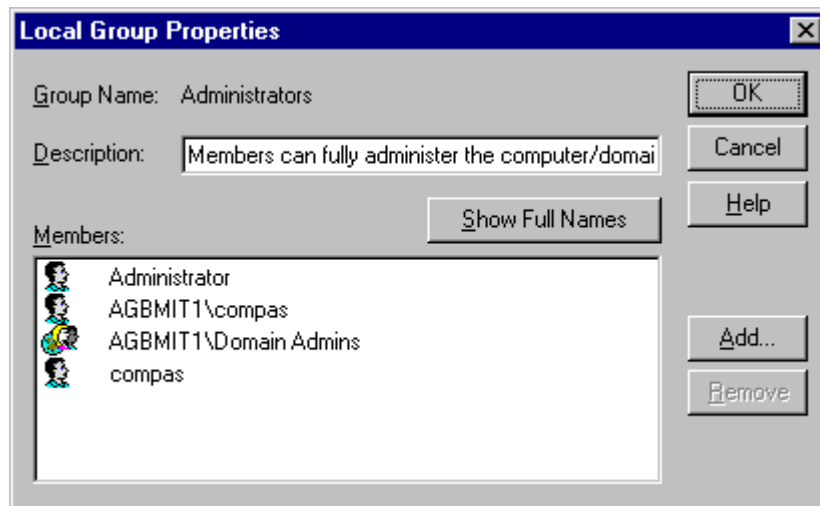
Log back in as local system *Administrator* (**not domain logon !**). Start again the 'User Manager for Domains', double click on 'Groups->Administrators' in the list at the bottom half of the screen.



Click now on 'Add', select **compas** from the Names list of the domain, click on <Add>, the domain compas account is added to the Add Names list:



Click then on <OK> to close this dialog. The **domain name\compas** account will show up in the Local Group Properties::Members list:

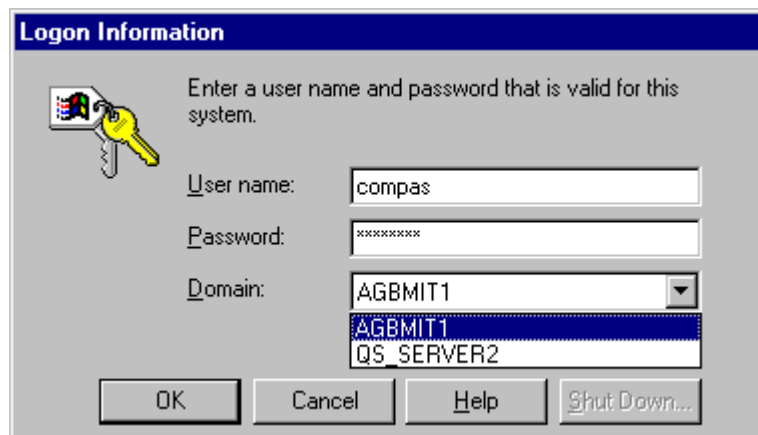


Click then on <OK> to close this dialog. Close the User Manager (Alt-F4, or menu User::Exit).

#### 4.1.4

#### Logging onto the Domain

Log-off from the local system ('Start Menu::Shut down::Close all programs and log-on as different user'), then re-login **using the domain account** as shown below:



Once logged in, ADC-QS is now available for use.

#### 4.1.5

#### Notes:

- a) The auto-login and auto-shutdown feature of ADC-QS Server is still working under domain log-in. To bypass the auto-login, hold down the *Shift* key during the login phase.
- b) The domain administrator will normally carry out sections Create Compas account and Adding Domain User to Local System for you. In this way you do not have to make a request for the domain administrator account and passwords.
- c) Procedures for setting up printers and other devices from the ADC-QS Server remain the same under domain login.

## 5

## Add / Removing a Secure User to an ADC Cluster (optional – only on customer request)

The “Secure User Script” allows to create a user which has very limited access to NT-Operating System. Almost all icons are removed from the desktop and additionally the NT-Start Menu is reduced to the absolute minimum.

Desktop includes only the following icons:



NT-Start Menu of the Secure User is reduced to:

Agfa → ADC QS → ID Viewer, Reset ADC QS, Start ADC QS, Stop ADC QS. In addition the right mouse button is deactivated on the NT-Desktop and it prevents the user, logged in with “Secure User” account, to access the Configuration Viewer.

However the “Secure User” does not have any restrictions on application level. “Secure User” is able to delete images from the application or reject studies. The security is only provided on NT-Operating System and Configuration level. It does not provide permission control on application level.

The installation sequence of the Secure User in relation to the printers is important.

- First configure all printers on Server
- Add Secure User account on Server
- Add same Secure User account on Client. During creation of the account the printer connections will be setup automatically as network printers.

If you want to add a printer later on you have to perform the following steps:

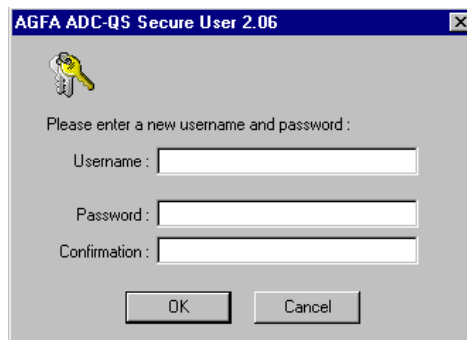
- Configure printer to be added on the Server
- Remove Secure User on the Client only
- Re-install Secure User on Client again. In this way the new printer is added to Secure User account.

## 5.1

### Adding a Secure User

Only one account for a Secure User has to be created. It has to be the same account on ADC QS Server and Client.

- (1) Select
  - Start
  - AGFA
  - ADC-QS
  - Tools
  - Add Secure User



- (2) Define secure user with a corresponding password. Confirm the password by clicking <OK>
- (3) System restarts two times. During this do not start any other application.
- (4) Auto logon is switched off now. NT login window appears after every restart.

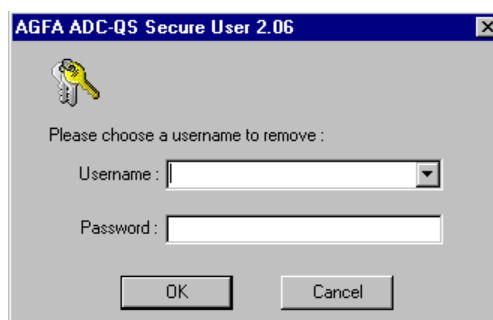
## 5.2

### Removing a Secure User

If you want to change the complete Secure User account it is best first to remove current Secure User and then add a new one. This has to be done both on Server and Client.

This procedure must also be applied on the Client only if a printer should be added to the Secure User account (see above)

- (1) Check that you are logged in as "compas".
- (2) Select
  - Start
  - AGFA
  - ADC-QS
  - Tools
  - Remove Secure User



- (3) Select Secure User, you would like to delete, from pull down menu and fill in corresponding password. Confirm the password by clicking <OK>
- (4) System restarts two times. If prompted always login as "compas" account. If the last Secure User has been deleted from the system, Auto logon is activated again.

## 6 Typical problems encountered during Installation

### 6.1 Locked File Problem -115:

If during an installation you receive the error message 'An error occurred during the data move process - 115', then a program file is currently locked by the system and can't be replaced. To rectify this, stop the following services from the Control Panel::Services applet:

Spooler  
World Wide Web Publishing Service

Now retry the installation. It should now work as the program files are in the unlocked state.

### 6.2 Locked File Problem -132:

If during an installation you receive the error message 'An error occurred during the data move process - 132', then the ADC-QS Monitor process is still running. To rectify this, start the Task Manager applet (right mouse button on Taskbar, select Task Manager under Process tab). Sort on Name order, locate entry 'ADCQSM~1.exe', then select <End Process>. Click 'Yes' on the confirmation box, the process is then killed.

Now retry the installation. It should now work as the ADC-QS Monitor is inactive.

### 6.3 Permissions Problem:

At present, you should have **local machine Administrator** privileges to install ADC-QS. This means you must install under **Administrator** account or the **compas** account must be a member of Administrators group. The compas account is added to Administrators group during the Server installation.

Without Administrator privileges may experience the locked files problem described above. Also you won't be able to set up any local printers on the system.

### 6.4 Missing Configuration:

If for some reason the configuration settings are missing, you can run the **Restore** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field 'OnlyRestoreConfig' is set to 1 (one). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>. The settings are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

### 6.5 Images Not Visible:

If for some reason the images are not visible, you can run the **Restore** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field

'OnlyRestoreConfig' is set to 0 (zero). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>. The settings and data are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

## 6.6 Uninstaller setup failed to initialize.

During installation the message "Uninstaller setup failed to initialize. You may not be able to uninstall this product." pops up. This prevents the Uninstall key from being created in the Add/Remove Programs applet and the application normally cannot be uninstalled.

This occurs because the Uninst.isu file in the install target folder (that is the location where you are installing to) has become corrupt. To remedy this, you need to delete all files in the install target folder, and try again.

## 6.7 Startup errors after loading Security Rollup Package

Depending on your language version, it is quite likely that several error popup messages will appear – for example popup "an invalid parameter was passed to a service or function as the third argument".

The problem is that the system runtime DLL set has become mis-matched by the SRP. This problem must be fixed before we can continue.

To fix this problem we need to install (but not run) the AGFA Dicom Bridge (ADB) tool. The ADB tool comes with its own copy of the runtime DLLs, and as such can be used for a system fix.

Refer to chapter 3.2 for details on installing the ADB.

## 6.8 ADC-QS Launcher startup shows: " \_IRES.DLL was not found in \_sys.cab"

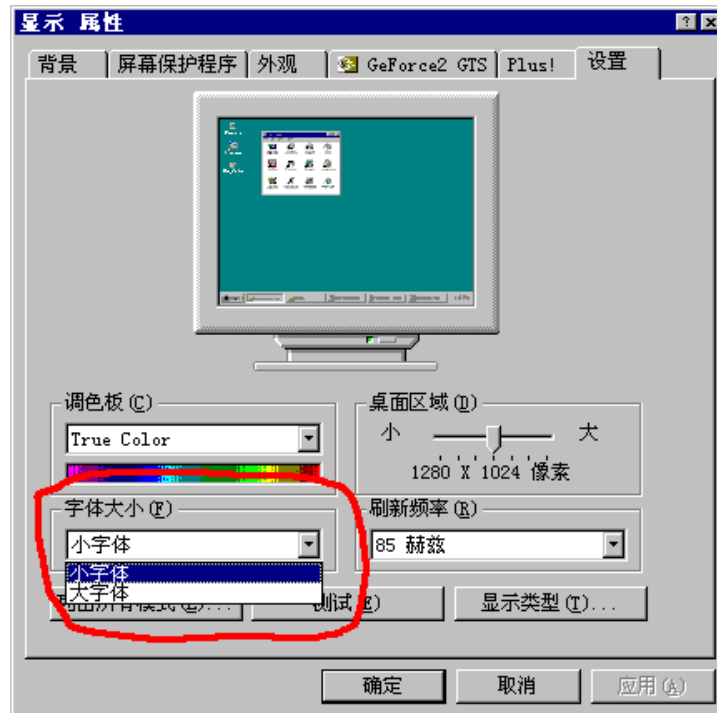
This problem occurs on **non-staged** systems that don't have the file **psapi.dll** in the path. All staged systems have this file. The solution is simple: copy the file **psapi.dll** from an ADC-QS Application CD folder **\data\runtimes** to the **C:\winnt\system32** folder.

## 6.9 Desktop font too small on Oriental systems.

This applies specifically to Stage 4 Chinese-Simplified (CHS) systems where the default font size proved to be too small and needs to be changed. However, this method can also be applied to other language types if required.

Right-mouse-button on open Desktop, select 'Properties' (in Chinese of course), select last tab to right 'Settings', go to the font section and ensure the first option in the pull down list is selected ('Small fonts'):

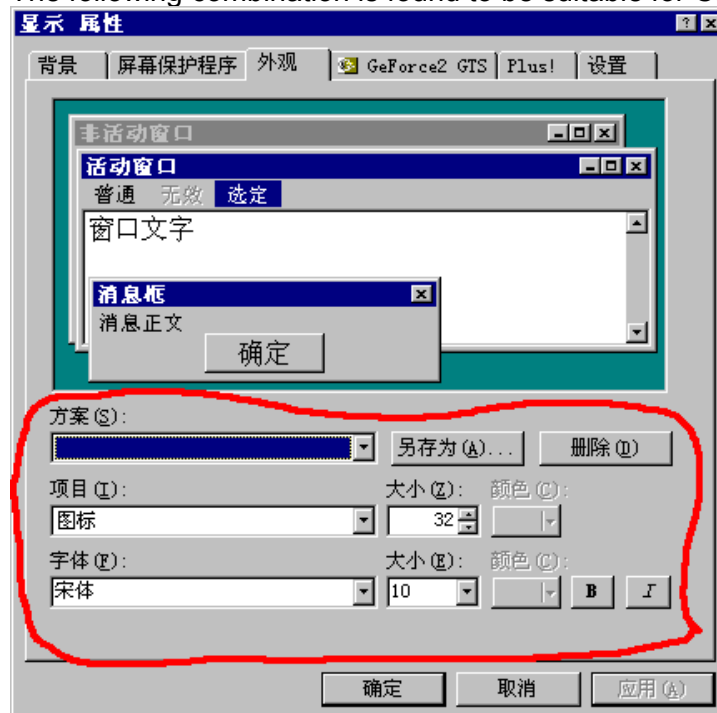




A warning popup will appear to say the changes will only take effect once the system has been restarted, click <OK> to clear this.

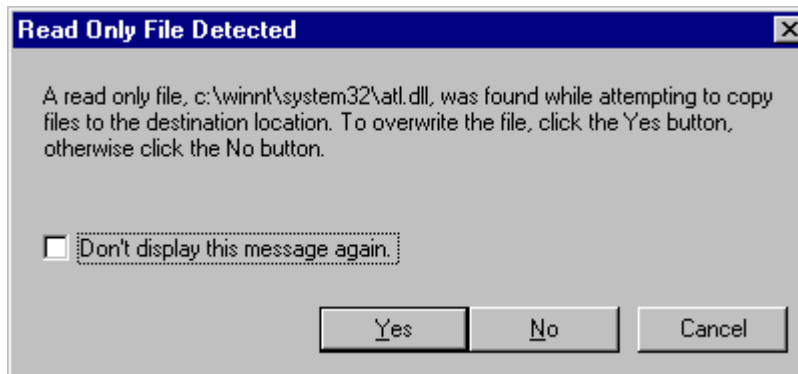
Select now 3<sup>rd</sup>. tab from left 'Appearance', select 'Pictogram' from drop down list. Now adjust the font and size to a suitable combination. Click the 'Apply' button, the visual results can be tested in an open NT Explorer window.

The following combination is found to be suitable for CHS systems:



When done click <OK> to close the dialog.

## 6.10 Popup 'Read only file detected'



This occurs when a file already existing on the system and with the read-only attribute set is about to be overwritten during an upgrade process. In these instances it is always OK to overwrite the existing file, so select option 'Yes to All' or 'Yes' as the response.

## 6.11 Decimal and Thousands separator

The ADC-QS software expects the decimal separator to be dot '.' and the thousands separator to be comma ','. This is how it's set by default on the Staging CDs. However if you change the regional country code from the Control Panel::Regional Settings applet, these values are set to MS Windows defaults which are often different than those values required by ADC-QS. So the following settings need to be checked after changing the regional country code:

Start Menu::Control Panel::RegionalSettings->Tab Number

Decimal Symbol = dot  
Digit Grouping Symbol = comma

Start Menu::Control Panel::RegionalSettings-> Tab Currency

Decimal Symbol = dot  
Digit Grouping Symbol = comma

If these values are set incorrectly, the problem normally shows up during DICOM transmissions whereby the LUT values are mis-interpreted (the 'VOI-LUT' problem).

## 6.12 To avoid 'missing' printers after upgrading

This is the problem whereby the printer queue is not empty during prior to importing the .CPF file. During the import CPF process the printers are first removed and then re-created. However if a particular print queue is not empty, that printer cannot be deleted, and in this case the printer are marked for deletion, which will occur sometime later when the print queue does actually become empty (normally after reboot).

Therefore it is a good habit to make sure the print queues are empty or purged before starting the .CPF import process.

## 7

## Restore Toolkit Version 2.5 – Potential Errors and Solutions

Most errors take place during the writing of the Ghost image, in this case an error code is given together with a short explanation. In all cases, if an error occurs, additional information is found in the file **c:\temp\ghosterr.txt**.

- a) *ABORT: 440, Ghost cannot run on Windows NT based systems (NT/2K/XP).*

You are attempting to use the Restore Toolkit floppy or created Restore CD from within a Windows session.

**Restart the system with the Toolkit floppy or Restore CD inserted.**

- b) *ABORT: 52102, CD-R disc is not writeable. Insert blank media.*

Ghost can only write to clean media (no multi-session possible)

**Insert a new blank CD-R or an erased CD Rewritable.**

- c) *Critical Error 0x0C Sharing Violation, Abort or Retry ?*

This is a non-standard error that will normally only be seen when you are doing some custom steps with the Ghost program. The following are known situations:

- i) The ghost image was made with a later version of Ghost (eg. 7.5) and you are trying to read it with an older version (eg. 6.01). Note: the other way around is OK (older .GHO files are read OK by 7.5)

**Use Ghost v7.5 or later.**

- ii) The source and destination disk are the same.

**Write directly to the CD Writer.**

- d) *ABORT:10027, Unknown image format: code 51: later Ghost version required.*

Same as c) i) above.

- e) *ABORT: 18190, No such file or directory (ENOENT) when opening A:\SKIPLIST.TXT*

Can not find a file referenced during the Ghost image creation process.

**Leave the Restore Toolkit floppy in the drive, until everything is complete.**

- f) *Write protect error writing drive A (Abort, Retry, Fail?)*

The write protect tab prevents the toolkit from writing some temporary files on the floppy.

**Flip the protection tab back to the write enabled position.**

- g) *ABORT: 12020, Write to CD-R disc failed*

The Direct2CD had an error while writing to the CD. Testing has shown that the software is sensitive to different types of CD-R blanks. All write failures such as this have occurred with 'unbranded' 72 minutes blanks.

**Use a known brand type, for example Emtec (BASF), or try 80 minute blanks as these are generally of higher media quality than 72 minute blanks.**

## 8 Usage of Software License Converter Floppy

### 8.1 General

ADC ID Software (for Win Application) was not available in all previous versions of ADC QS. Instead of this the PRID was delivered.

RISLINK for ADC QS application was not available. It was replaced by RISLINK for VIPs application.

These two software options are now released with ADC QS 2.1.37. Problem is that the license strings for PRID and RISLINK for VIPs environment are not accepted in the ADC QS software. Therefore the license strings have to be converted to new license strings. For this purpose use the floppy with the Software license converter tool.

### 8.2 Converting Software Licenses

- (1) Insert Software license converter floppy in floppy drive of ADC QS ID Viewer
- (2) Click on START → RUN
- (3) Enter **a:\lic\_xch.exe**
- (4) The following window appears



- (5) Enter your old license key for ID or for RISLINK from PRID Station. If the license key is valid you will get a new license key. Use this new license key to validate ID Software or RISLINK Software in ADC QS application.